Olumuyiwa Rapheal KOLAYEMI

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PROFESSIONAL SUMMARY

Experienced Senior Platform Engineer with a strong track record of designing, automating, and scaling cloud infrastructure and CI/CD pipelines across AWS and Azure using tools like Terraform, GitHub Actions, Docker, and Kubernetes. Proficient in infrastructure as code (IaC), container orchestration, cloud security, and observability, with hands-on experience managing GitHub Enterprise and deploying secure, high-availability platforms. Skilled in scripting with Python to automate operational tasks and improve efficiency. Known for collaborating across teams to deliver reliable, secure, and scalable solutions, with strong communication and problem-solving skills developed through mentorship, community engagement, and academic research.

TECHNICAL SKILLS

Cloud Infrastructure & DevOps	EC2, ECS, Lambda, Azure Functions, Terraform, GitHub Action, Python
Identity & Access Management	AWS IAM, IAM Identity Center (SSO), Active Directory, OpenID, Kerberos
Cloud Monitoring & Event Mgt.	CloudWatch, CloudTrail, Dynatrace, DataDog, EventBridge, SQS, SNS
Cloud Security & Operation	AWS WAF, Secret Manager, Parameter Store, AWS Systems Manager
Data Engineering & MLOps	AWS Lake Formation, Glue, EMR, Athena, SageMaker, Apache Spark
Database & Data Lakehouse	Amazon RDS, Aurora, DynamoDB, MySQL, Snowflake, Databricks

RECENT APPLICABLE PROJECTS

- Implemented a centralized parameter management solution using SSM Parameter Store and AWS Resource Manager, successfully migrated environment-specific secrets and config variables, enhanced data security with AWS KMS encryption, and utilized Terraform and GitHub Actions for automated, secure data management
- Provisioned cloud infrastructure for an LLM-powered application, leveraging AWS CDK to automate deployment of EKS, Karpenter, Amazon MQ, Secrets Manager, PostgreSQL,
- Managed the deployment of Kubernetes clusters to AWS EKS using the Harness CI, contributing to showcasing Google Cloud's Anthos as a unified management platform for Kubernetes clusters across AWS, GCP and Azure

RELEVANT WORK HISTORY

Jan, 2022 – Present   Senior Engineer, Cloud, DevOps, and Security | Slalom Build, Boston, US

- Designed and provisioned scalable infrastructure on Azure and AWS using Terraform and AWS CDK, enabling reliable deployments for AI-powered and data-driven applications.
- Administered and optimized GitHub Enterprise, managing OIDC roles, repository configurations, and automated CI/CD pipelines with GitHub Actions for secure, keyless deployments to AWS and Azure.
- Built and maintained reusable CI/CD pipeline templates for .NET and NPM projects in Azure DevOps, automating build, test, and deployment workflows across multiple environments.
- Deployed and managed containerized applications on AWS EKS and Snowpark Container Services, leveraging Docker and Kubernetes to support scalable and secure data visualization platforms.
- Authored Python scripts for automating data migration workflows, configuration management, and secure infrastructure provisioning across multiple cloud platforms.
- Conducted performance monitoring and observability implementation using Azure Monitor, Log Analytics, and integrated Application Insights for serverless workloads on Azure Functions.
- Implemented platform and data security best practices by enforcing IAM policies, least privilege access, and object-level access control using Privacera and AWS Lake Formation.
- Integrated ChatOps tooling into CI/CD workflows, automating real-time incident notifications and response actions, which significantly reduced mean time to resolution (MTTR) and improved cross-team collaboration.
- Designed a centralized AWS CloudWatch dashboard with cross-account and cross-region visibility, enhancing observability across infrastructure and applications for proactive performance and health monitoring.
- Delivered hands-on training sessions on AWS Observability, IaC, and CI/CD best practices to a 15-member engineering team, upskilling team capabilities and promoting a DevSecOps mindset across the organization.

Mar, 2021 – Dec, 2021   *Cloud Systems Engineer* | Ultra Commerce, Chicago, U.S (worked remotely)

- Engineered and maintained CI/CD pipelines using Jenkins to automate deployment of applications and microservices to Linux-based systems on AWS, improving release velocity and deployment reliability.
- Developed an internal microservices sandbox platform using AWS CloudFormation, provisioning ECS, Aurora DB, S3, and CloudFront to enable scalable and repeatable infrastructure for experimentation and testing.
- Automated weekly data backup and refresh processes for dev and test environments using S3, EFS, and RDS, incorporating data sanitization scripts to remove PII and maintain compliance with data privacy requirements.
- Utilized observability platforms including PagerDuty, New Relic, Dynatrace, AppDynamics, and AWS CloudWatch to monitor infrastructure and application performance, track uptime and service availability metrics, and ensure adherence to defined SLAs and SLOs; developed monthly service uptime reports for B2B customers to validate e-commerce platform reliability.
- Ensured PCI compliance by monitoring Trend Micro's threat detection portal for daily security insights, analyzing Active Directory reports to detect unauthorized access, and enforcing IAM policies and least privilege access controls to strengthen cloud security.

EDUCATION

2020 – 2021   *AWS re/Start IT Fundamentals and Cloud Foundation Program* – Per Scholas, Boston
2010 – 2017   *MSc, B.Sc. (Hons): Agric. Engineering* – University of Ibadan, Ibadan, Nigeria

TRAINING & CERTIFICATIONS

2022–2023   AWS Certified Security Specialty, Solution Architect & DevOps Engineer Professional
2024   Hashicorp Certified: Terraform Associate
2024   KCNA: Kubernetes and Cloud Native Associate

PUBLICATIONS

- Cross-Account Parameter Sharing in AWS with AWS RAM: A Practical Guide
- Online Webinar on beginner approach to explore AWS core services
- DevOpsDays Boston 2023 Lightning Talks: Muyiwa Kolayemi

INTERESTS/ EXTRA-CURRICULAR ACTIVITIES

Continuous Learning | Volunteering | Teaching | Travelling | Community Building | Motivational talks

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